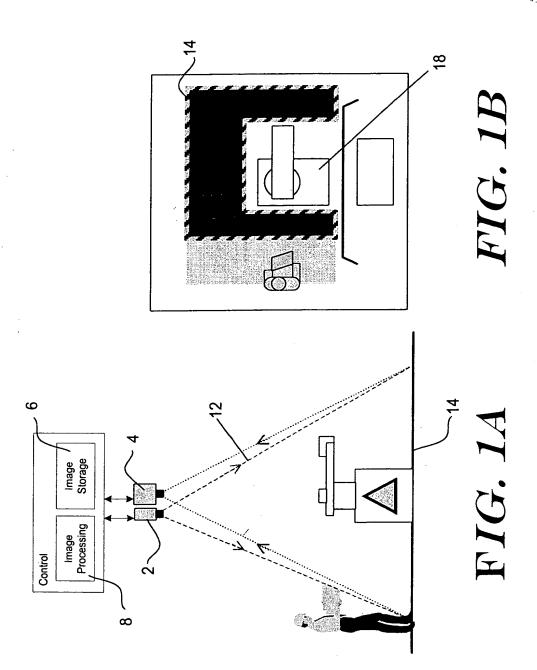
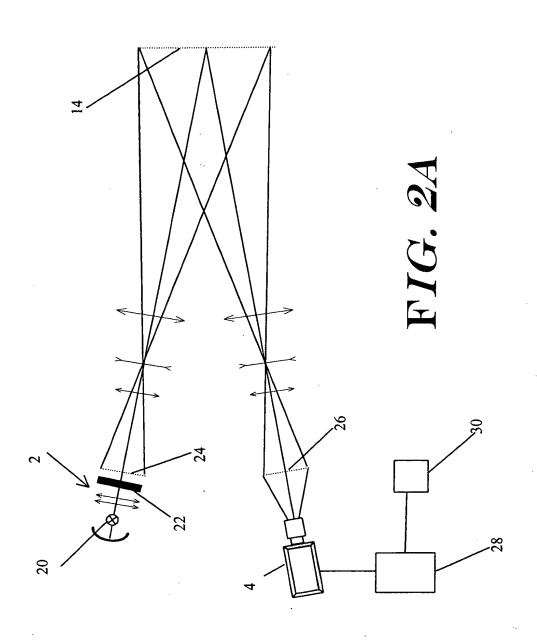
Applicant: Darren D. Cofer et al Serial No.: 10/052,953 Filed: January 17, 2002 For: METHOD AND APPARATUS FOR DETECTING OBJECTS Docket: 1100.1144101 (H0002091) Sheet 1 of 12 10052<u>9</u>53.052002





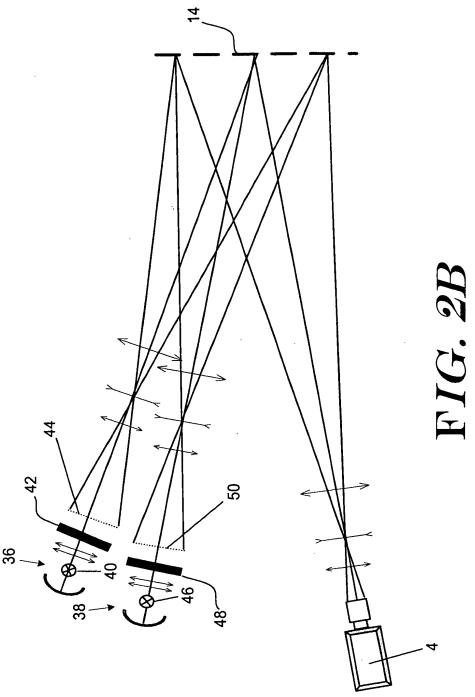
Applicant: Darren D. Cofer et al Serial No.: 10/052,953 Filed: January 17, 2002 For: METHOD AND APPARATUS FOR DETECTING OBJECTS Docket: 1100.1144101 (H0002091) Sheet 2 of 12





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Serial No.: 10/052,953 Filed: January 17, 2002

or: METHOD AND APPARATUS FOR

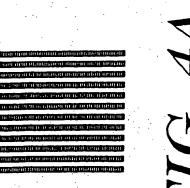
DETECTING OBJECTS
Docket: 1100.1144101 (H0002091)

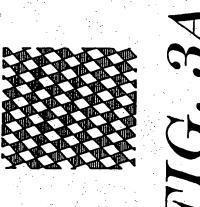
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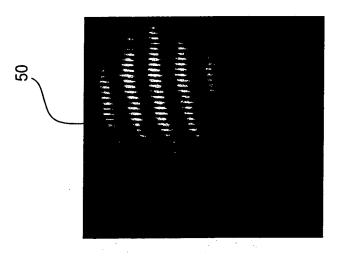


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Filed: January 17, 2002
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10052953.052002

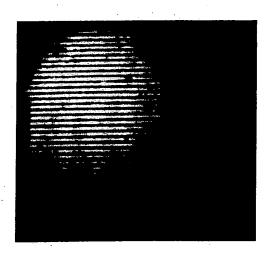


FIG. 54

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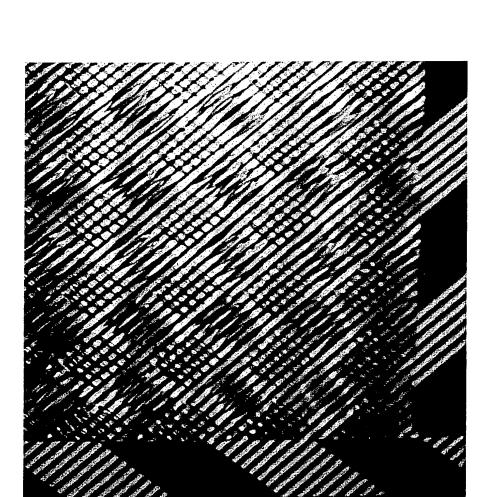
Serial No.: 10/052,953 led: January 17, 2002

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FIG. 6B

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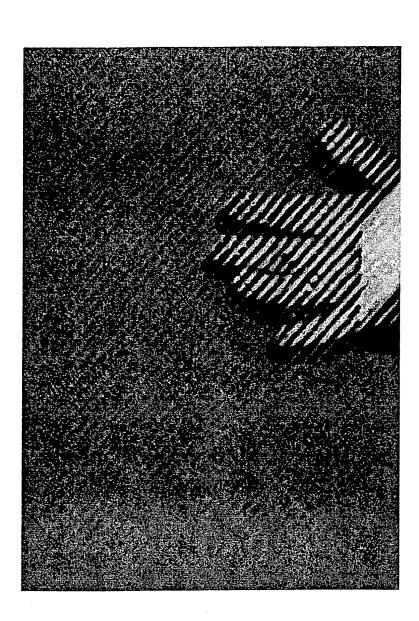


FIG. 6C

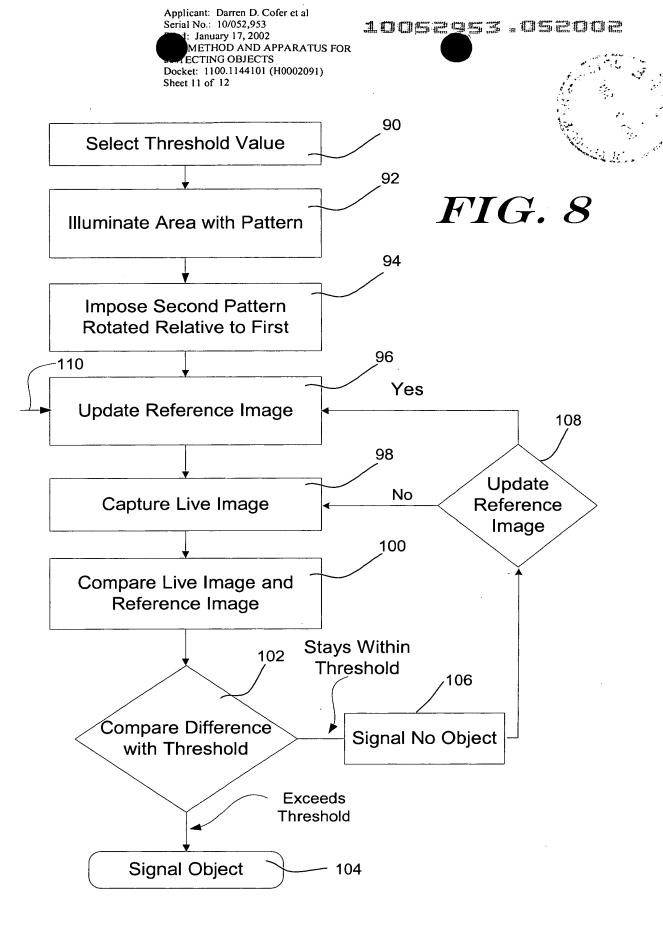
For: METHOD AND APPARATUS FOR **DETECTING OBJECTS** Docket: 1100.1144101 (H0002091) Sheet 10 of 12 70 Select Threshold Value 72 FIG. 7 Illuminate Area with Pattern 88 74 Yes Update Reference Image 86 76 Update No Reference Capture Live Image Image 78 Calculate A Difference Parameter Stays Within 80 Threshold 84 Compare Difference Signal No Object with Threshold **Exceeds** Threshold

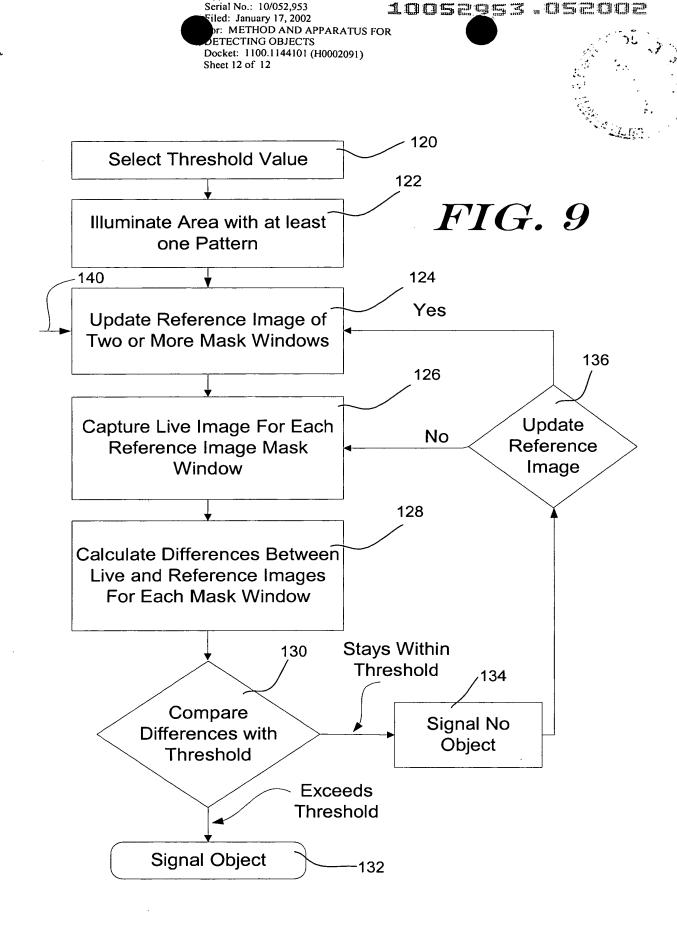
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Signal Object

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